**Outline**

- **Motivation**
- **Lymphoma induced remodeling of the LN stroma ecosystem**
- **Cell-cell attraction potential analysis reconstructs LN zone state**

**Results**

**Figure 1:** Study outline. A) Cohort overview. B) Umap embeddings. Left: single cell RNA sequencing (scRNA-seq) of hematopoietic as well as endothelial and lymph node stromal cells (LNSC). Right: UMAP embeddings of endothelial and LNSCs obtained from segmented multiplexed immunofluorescence (mIF) images stained with 56 markers. Abbreviation: BEC = blood endothelial cells; FRC = follicular reticulum cells; FDC = follicular dendritic cells; LEC = lymphatic endothelial cells.

**Figure 2:** Loss of lymph node (LN) structure in the process of lymphomagenesis. mIF images (top). Functional neighborhoods indicate cell organisation (bottom) as computed by k-nearest neighbour clustering on segmented images.

**Background**

- **5P:** Combined single-cell and spatially resolved mapping of the human lymph node ecosystem reveals fundamental principles of lymphoma tissue organization

**References:**